CENDI Work Plan for Fiscal Year 2004

In most of its years of operation, CENDI has carried over three main goals from one year to the next. The focus areas and objectives in how to meet these goals vary, however, depending on changing technologies, resources, agency missions and group participation. The goals are:

Goal 1 ~ Coordination and Leadership: Provide Coordination and Leadership for Information Exchange on Important STI Policy Issues

Goal 2 ~ STI Life Cycle Management: Promote the Development of Improved STI Systems Through the Productive Interrelationship of Content and Technology

Goal 3 ~ Education: Promote an Understanding of STI and STI Management and its value to the R&D enterrpise

Goal I. COORDINATION AND LEADERSHIP: Provide coordination and leadership for information exchange on important STI policy issues.

OBJECTIVES

A. Keep CENDI members aware of the significant legal and policy issues that may impact STI.

B. Continue to develop a dialog with "information communities" outside of the federal STI community to identify issues in information management futures.

C. Take a leadership role in addressing technical aspects of STI policy issues for the government (look for coordination with OMB or OSTP).

Goal II. STI LIFE CYCLE MANAGEMENT: Promote the development of improved STI systems through the productive interrelationship of content and technology.

OBJECTIVES

A. Better define the requirements for future STI architectures and investigate the technologies and do technology assessments that support key functional requirements for current and future STI systems.

B. Facilitate solving technical issues and anticipating technical challenges to the future development of scientific and technical information and communication systems.

C. Identify and address standards for STI content, with special emphasis on those at the intersection of content and technology, e.g. metadata creation, archiving, security, privacy, information retrieval, subject taxonomies

D. Develop cooperative projects to improve access to government-wide STI for a variety of audiences, from scientists to the general public

Goal III. EDUCATION: Promote an understanding of STI and STI management.

OBJECTIVES

A. Provide educational opportunities for agency management and staff to learn more about and address issues of common interest.

B. Increase visibility for CENDI and STI through CENDI-sponsored symposia, publications, and projects.

C. Continue the development of the *CENDI Web Site* as a first class resource for STI policy and planning related information.

CENDI Working Group and Task Group Proposed Activities
For Fiscal Year 2004

WG/Task Group	Goal and Objectives	Specific Activities	Collaborators
Content Management & Access	I.C II.A-D III.A	*Metadata* - Hold a joint meeting of interested WGs and TGs to discuss the development and integration of interoperable metadata for discovery, preservation, rights management, etc. - Identify core metadata elements and XML tags for bibliographic information in R&D and contribute the results to the E-Gov Interagency Committee and to the CIO's XML Working Group - Based on the identification of the core metadata elements, analyze and develop procedures for improving the generation and sharing of bibliographic metadata across agencies - Comment on the NISO Z39.18 revised standard for technical reports and the DTD for technical reports being developed by Old Dominion Univ. *Terminology/Taxonomies* - Conduct an educational event on Web services for terminology and thesauri such as that under development at NAL - Provide support to the development of a government-wide taxonomy assigned to the Interagency Working Group under OMB *Information Retrieval Infrastructure and Technologies* - Conduct an educational event on the Open Archives Initiative - Investigate search engines, through either a joint evaluation or an "industry day" exhibit by vendors - Conduct an activity around what information discovery might look like in 2010 – this might be centered around DTIC's Digital Object Architecture	*CIO Council* *NISO* *OMB* *OAI Community* *E-Gov Interagency Comm.* *Dublin Core Metadata Initiative* *OCLC* *W3C* *Academia*

WG/TASK GROUP	GOAL AND OBJECTIVES	SPECIFIC ACTIVITIES	COLLABORATORS
Persistent Identification	I.A-C II.B-C III-B-C	• Facilitate a Federal Handles Users Group as a forum for discussing how Handles are being used in the federal environment, metadata issues, etc. • Consider opportunities for CENDI leadership in the government use of Handles both through individual agencies and an interagency coordination as identified in the white paper (and provide proposals in the white paper) • Provide the Persistent ID white paper to E-gov Interagency Committee for consideration and action	*DOI Foundation* *CNRI* *The Stationery Office (UK)* *OMB* *CIO Council* *Other government*

Copyright and Database Protection	I.A
	I.C
	II.C
	III.B-C
		• Continue to monitor copyright, intellectual property and database protection (in cooperation with the Policy WG) and as appropriate update the Copyright FAQ (Nov. 2001)
		  – Plan the technical session of a CENDI meeting with the attorneys, speakers from the Creative Commons, and other rights initiatives
		  – Investigate the language for rights management and licenses drafted by the Creative Commons to see if they are applicable to government
		  – Investigate digital rights management systems as they might apply to the management of federal government information
		  – Provide briefings to CENDI on key issues as they arise.
		  – Create listserv for copyright and invite the CENDI principals and alternates to join
		  – Discuss copyright issues related to the preservation and long-term access to repositories
		  – Hold a technical session on database protection at a regular CENDI meeting and invite OSTP and other non-CENDI members to share information and gain input from CENDI
			LOC Copyright Office
			Other government.
			Academia
			FLICC
			Creative Commons and oher Rights Management Initiatives
			Policy WG

Digital Preservation	I.A-C II.B-C III.B-C	• Consider follow-on to ICSTI/CENDI Report on Digital Preservation in the Sciences • Consider CENDI input to the E-gov Interagency Committee regarding Digital Preservation • Survey CENDI agencies about their priorities and issues with regard to digital preservation to determine if there are interagency actions to be undertaken • Investigate research and best practices for dealing with preservation of content on physical media such as CD-ROMs where there are software and hardware (OS) issues • Evaluate and, as appropriate, develop strategic relationships with NDIIPP and NSF Research Agenda with regard to preservation of government	*ICSTI* *OCLC* *RLG* *CODATA* *LOC/NDIIPP* *NARA* *NSF* *OAIS/CCSDS* *E-gov Interagency Comm.* *Other national and international organizations*

WG/Task Group	Goal and Objectives	Specific Activities	Collaborators
		information. (Given NARA's national role, work with NARA to develop a CENDI role *vis a vis* government science information.) • Continue support as appropriate to the OCLC and RLG Preservation Metadata Implementation Strategies (PreMIS) Working Group, the OAIS Producer-Archive Interaction Methodology standard development; NARA's Appraisal Guidance related to scientific information and other related standards and guidance activities.	
Distribution Markings	II.B-C III.B-C	• Complete revised Markings document • Conduct a training event or develop other training support to complement the Distribution Markings document • Develop an activity related to distribution markings, authentication, etc. in a digital environment (this may require changing or adding members to the task group since the current members are print oriented). Coordinate with Homeland Security.	*OMB* *Homeland Security.*
Science.gov Alliance	II.D III.C	• Provide the leadership and the coordination support for the continued maintenance and development of Science.gov. – [Proposal to be presented by the Alliance at the November 24 meeting]	*FirstGov* *OSTP* *Other R&D Science Agencies* *Other government*

STI Policy	I.A-C
	III.A-C
		• Proactively monitor discussions and legislation regarding:
		    – E-government implementation
		    – Content model of enterprise architecture
		    – Access to government information
		• Participate in E-Gov Interagency Committee
		• Monitor OMB and CIO developments given new leadership
		• Consider impact on CENDI agencies of cross-agency E-gov developments
		• Monitor Sabo bill and other open access issues
		• Evaluate results of WSIS for CENDI agencies
		• Identify database legislation developments
		• Form relationships with PITAC activities
			Stay in touch with those who have Policy Groups such as:
			  ARL
			  ALA
			   AAAS
			   SLA
			   NFAIS
			   CODATA
			   ICSTI
			
			Specific groups depending on the policy being monitored; discussed.
			OMB

WG/Task Group	Goal and Objectives	Specific Activities	Collaborators
			CIO Council *WSIS* *Legislative committees/ Staffers* • Hold a technical session on Policy Interests of key Liaison Organizations
		• Hold a technical session on Policy Interests of key Liaison Organizations	*ARL, ALA, SLA, CODATA;AAAS*
		• Review the NSF Cyberinfrastructure Program Report as a framework for the future of science and analyze the impact of such a future on information products and programs such as those provided by CENDI members	*NSF Cyberinfrastrucure Committee (Daniel Atkins, Chair)* *CODATA*
		• Continue liaison quid pro quo with CODATA	
		• Investigate impact of data quality and other information policies on the scientists' releasing and sharing of data – how to promote scientists as data providers (See new initiative on Scientists release of data below)	
IT Security & Privacy	I.A-C II.A-B III.B	• Conduct an open workshop to share lessons learned and best practices for putting public key infrastructure, digital signatures, watermarks, bar codes and other forms of authentication into business areas • Hold a CENDI-only workshop on intrusion prevention • Share information on security issues and how to mitigate them, such as virus and worm scanning, anti-spamming software, etc. • Share information about IT and GAO audits through a CENDI-only workshop • Hold discussions on privacy, including government employee and customer privacy (particularly with regard to implications of the Patriot Act), as part of the technical session at a regular CENDI meeting	*Appropriate CIO and OMB staff* *ARL* *ALA*

WG/TASK GROUP	GOAL AND OBJECTIVES	SPECIFIC ACTIVITIES	COLLABORATORS

Education and Training WG		• Consider either merging activities into other groups or developing a concrete mission/tasking
		   – Consider the placement of the Metrics TG under Content Management and Access WG
		• Develop a project to look at the future of staffing skills, particularly in IT areas, and include a focus on recruitment and retention
		   – Hold a workshop on innovative ways to recruit and retain IT personnel
			CENDI member IT and human resource personnel; Office of Personnel Management; academics who are specializing in government/public administration workforce issues or in the future of the IT workforce

Standards Working Group	I.A-C II.C III.C	• Establish a Standards Working Group with appropriate collaboration with other CENDI working groups and task groups	*NFAIS* *ICSTI?*
Principals/ Secretariat	III.c.	• Develop a CENDI Awards Program – first internal; then external award • Continue membership development – make connection with Homeland Security • Determine the new name for the CENDI acronym • Set up a system of invoicing for dues to support NTIS billing.	*Special task group*

New Initiatives	I-B-C
	II.A
	III.C
		• Review the status and future of federal scientific libraries and how their missions intersect with STI content and access
		
		• Develop more formal relationship with NFAIS/ICSTI
		   – Have a mutual CENDI-NFAIS member be designated as a liaison to each group to improve communications and to highlight areas of mutual interest
		   – Consider setting up a Standards WG, possibly in cooperation with NFAIS/ICSTI
		   – Develop a jointly sponsored meeting with NFAIS in an area of mutual interest
		   – Conduct a joint study with NFAIS on a topic of mutual interest
		   – Establish a joint NFAIS-CENDI Government Roundtable to discuss issues of mutual interest
		   – Develop a joint white paper with NFAIS that provides a balanced
			FLICC
			MLW and other appropriate ALA special interest groups
			
			ICSTI
			NFAIS

WG/TASK GROUP	GOAL AND OBJECTIVES	SPECIFIC ACTIVITIES	COLLABORATORS
		public/private sector perspective on a key issue(s) • Address the issues of getting scientists to release/share data (e.g. Biosketch) • Develop a joint international program focus for CENDI – Consider issues of foreign ownership • Generating and sharing bibliographic information - new models for the electronic world.	*AAAS* *ICSTI* *NFAIS?*

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